SELECTLOK®
DIVISION OF SELECTRIX GROUP

TECHNICAL DATASHEET

NP0044 | 24V
Folding-WT Handle with Mounting Bracket
Integrated Electronic Central Locking (ELS)

Features

- Aesthetically pleasing, contemporary design
- **Keyed alike:** CH05 (other key codes may be available upon request)
- **Operational features:**
  - Folding-wt operation with compression action
  - Manually actuated locking (MLA) handles
  - Integrated electronic central locking (ELS) handles
  - Manual key override for ELS handle variants
  - Integrated padlock hasp (Ø8mm)
  - 90° handle rotation
  - Adjustable three-point roller cam
- **Compatible power supplies:**
  - 24V *(only)* switching or non-switching
- Rear fixing, mounting bracket
- Supplied with gasket

Dimensions, Materials & Finish

Dimensions
- **Handle dish:** 139mm (H) x 139mm (W) x 80mm (D)
- **Cutout profile:** 106mm (H) x 90mm (W)
- **Grip range:** 28mm ~ 48mm (H=)
- **Roller:**
  - **Short -** 19.8mm (L) x Ø17mm / Ø16.7mm (dia/taper)
  - **Long -** 34.5mm (L) x Ø17mm / Ø16.7mm (dia/taper)

Material & Finish
- **Handle and dish:** Zinc alloy, die-cast
- **Cam, shaft and bracket mount:** Zinc die-cast, zinc plated
- **Roller:** Glass fibre reinforced polyamide (PA6)
- **Colour and finish:**
  - **Dish -** Black, powder-coated
  - **Handle -** Chrome plated

Meterial Finish Testing
- **Neutral salt spray test:** 720hr (withstand) as per **ATSM B117-19**
- **QUV UV weathering test:** 120hr (withstand) as per **ISO 4892-3 (GB/T 16422.3)**

Remarks

- **Includes:** 2x alternative length roller options (interchangable)
- **Compatible system configurations:** Can be hardwired into existing 24V central locking ecosystems via the control box modules *(Note: AA battery source must be removed in these configurations)* Incorporate with: Can also be configured into integrated systems alongside varied product ranges and actuator/solenoid architectures.
- **Compatible ELS/Central Locking Products:**
  - **ELS | NP0044 Series -** 12V folding-wt handles with integrated central locking (must be stepped down for compatibility), Full length push-button compression latches with integrated central locking *(and/or including)* NP0044 series control box module, shunt, relays and applicable wiring harnesses
  - **ELS | V3 & V3 MINI Midnight Series -** Whale tail handles w/ additional 24V (or 12V “req. stepping down”) CL actuator kits
  - **ELS | Central Locking Dish Swing Handle -** Electronic swing handle (12V DC), able to be integrated into aftermarket and OEM vehicle systems

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INTEGRATED 24V ELECTRONIC CENTRAL LOCKING (ELS) HANDLES

Part Number	Description	Actuation	Power Supply (Voltage)	Keyed	Dish / Handle Finish
NP0044-013-CH05	NP0044 | Folding-WT w/ Mounting Bracket	Int. Central Locking (ELS)	24V (only) Switching/Non-Switching	CH05	Black PC / Chrome PLT

SUPPORTING TECHNICAL RESOURCES

Amp Draw & Relay Usage
Current draw on actuator-based locking units is approximately 2–4 A (amps) per load.
Selectlok recommends a maximum of three (3) units per 40 A relay.

How Does Central Locking / ELS Work?
Modern electronic locking technologies, (including Central Locking Systems and Electronic Locking Solution [ELS] Ecosystems) are designed to provide convenient and reliable remote security control for doors, storage compartments, and enclosed equipment. They build on traditional locking principles while introducing different methods of operation and electronic system integration.

Central locking and ELS components can use different engineering architectures to maintain secure locking performance even when the system is not electrically energised. The two most common design methods that are relied upon are:

Mechanical Actuator Units -
These are electronically activated locking mechanisms, generally driven via a series of mechanically connected linkages or gears.

Traditional central locking systems are commonly built around mechanical actuator units operating on 12V or 24V power supplies. When a lock or unlock signal is sent, the actuator moves internal components such as shafts, linkages, worm gears, or cam mechanisms to physically engage or release the locking pawl.

In most actuator-based systems, the handle remains in its locked or unlocked position until an opposite electrical signal is received.

Solenoid-Based Units -
These rely on solenoid-based electromagnetic hold technology to disengage and control the position of the locking mechanism.

Instead of maintaining position through mechanical drive, internal solenoid-based designs utilise a briefly stored electrical charge to electromagnetically control the position of the locking pin/pawl mechanism.

When the remote fobs lock or unlock button is pressed, it generates a brief electrical signal that energises the solenoid and holds the locking pin's position in the unlocked (open) state using electromagnetic force.

When the electrical signal stops and as the stored charge dissipates, the solenoid loses its electromagnetism and releases its hold, allowing the latch to automatically return to its default locked (closed) state.

Glossary Of Terms
Acronyms commonly associated with the actuation methods of Selectlok's Electronic Locking Solutions ecosystem products.

These may include electronically powered central locking solenoid or actuator kits (6V/12V/24V), digital access and smart locking systems, electronic lock positioning sensors, control boxes, shunt connectors, remote controls and power supplies.

MLA | Manual Locking Actuation
CL | Central Locking
ELS | Electronic Locking Solutions / ELS Ecosystems
IOT | Internet Of Things

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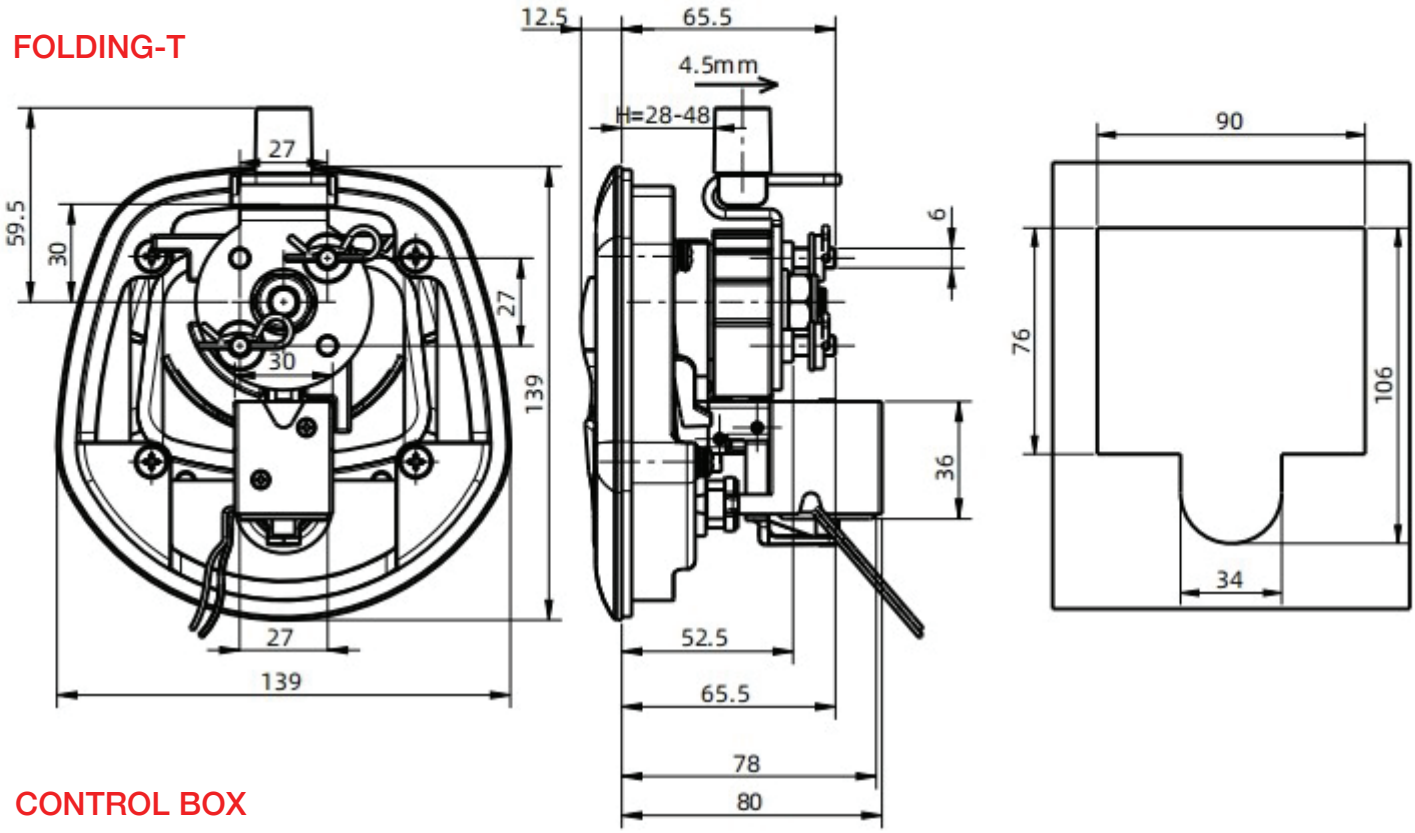
FOLDING-T



CONTROL BOX